

Beams Week in Review



- Accelerator Performance
 - Week 80 integrated Luminosity : Record 4.34 pb^{-1}
- Accelerator Studies
- All stores intentionally terminated

Beams Week in Review



Store Summary Week 80

<u>Store #</u>	<u>Initial Luminosity</u>	<u>Duration</u>	<u>Termination</u>	<u>comments</u>
1739	1.98 E31	18 hours	Intentional	TEL on; BLC tuned
1748	2.14 E31	7.45 hours	intentional	No BLC
1750	2.57 E31	17.75 hours	intentional	BLT on pbars
1752	1.93 E31	18.1 hours	intentional	No BLC; BLT on pbars
1754	1.96 E31	16.5 hours	Intentional	“
1756	1.9 E31	16.75 hrs	intentional	“

Beams Week in Review



- Current Issues

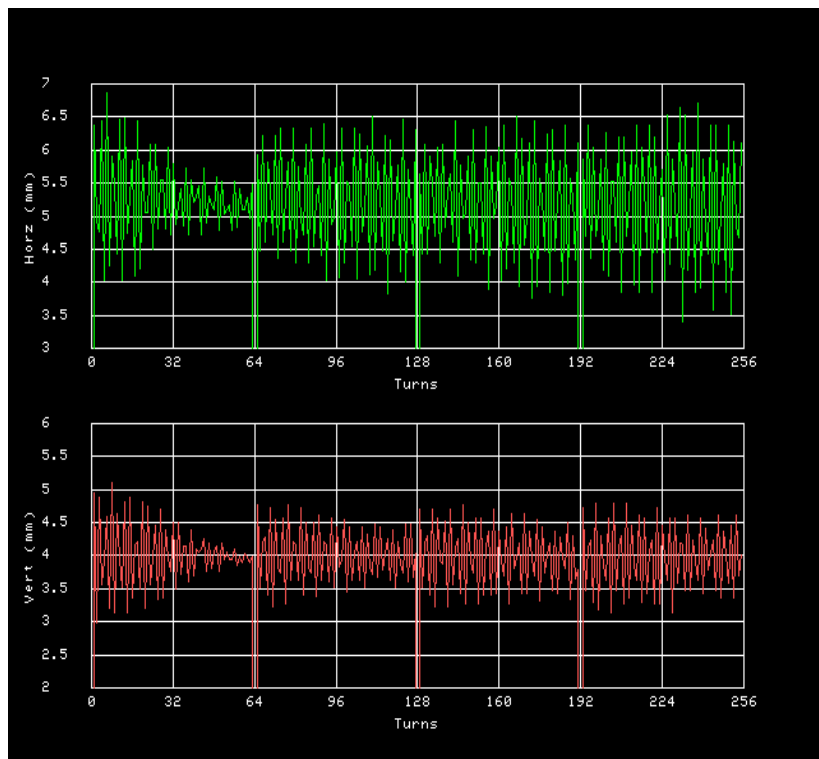
- Increase the number of protons through MI coalescing
- Restore MI pbar coalescing efficiency to the 80 - 90% level
- Complete commission pbar beam loading compensation in MI
- MI – Tevatron transfer line matching

Tevatron Summary

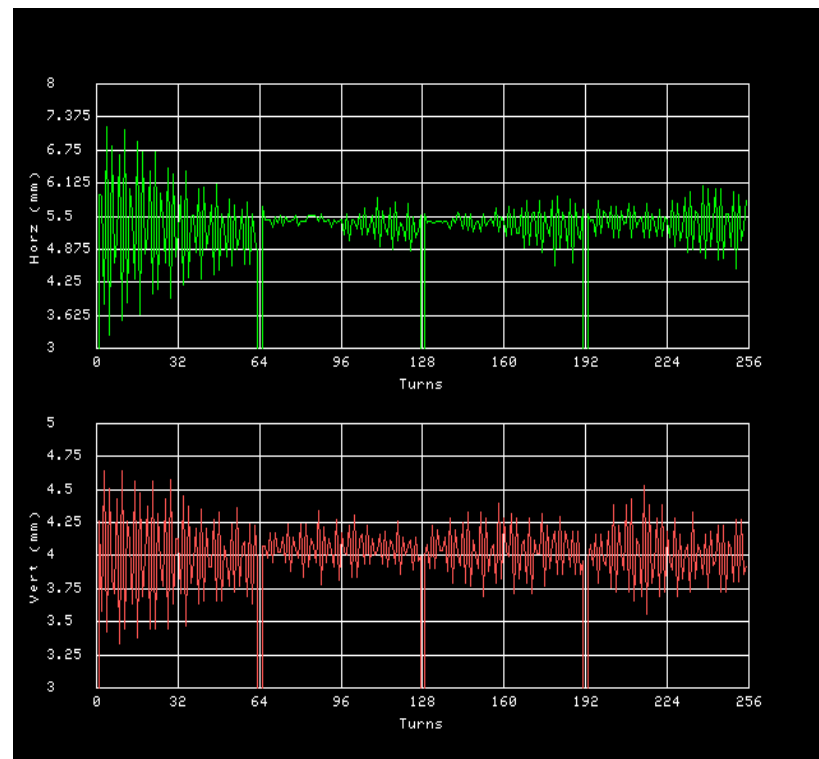


- Week 79 Accelerator studies:
 - Implemented BLT closure for the pbars
 - Measured and corrected local coupling at the IR (B0)
 - Tevatron Tune and Coupling Drift – hardware installed still need beam time (proton only stores)
 - Tevatron Dampers (need more work)

Tevatron Injection Closure (BLT)



Transfer 1



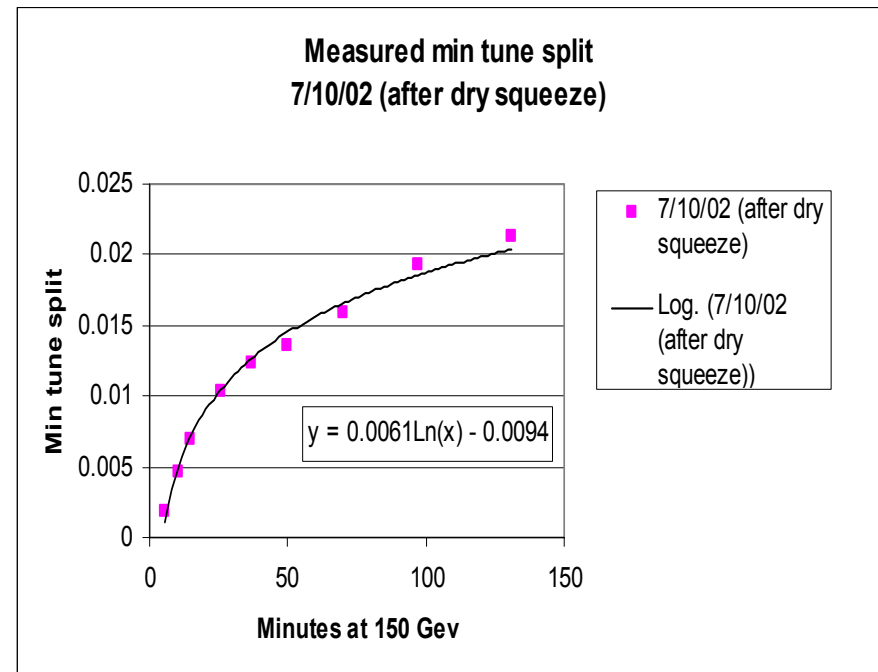
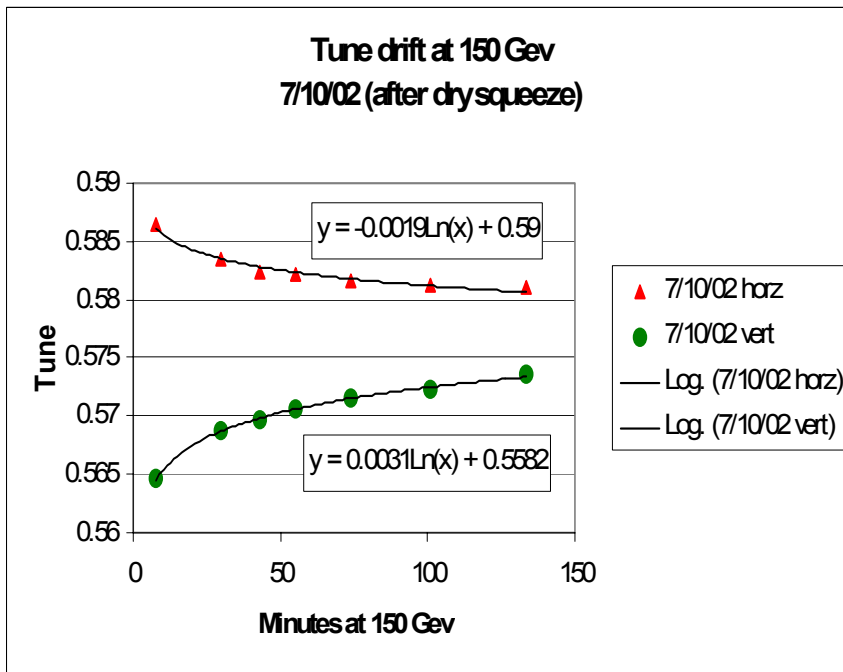
Transfer 4

Store 1750 Initial Luminosity $2.57\text{E}31$

Tevatron Summary



Measured Tune and Coupling Drift at 150 GeV



Correction Scheme to be implemented during this week studies

Pbar Summary



- No Dedicated studies during this period
- Parasitic development of bunch-by-bunch position monitor in AP3 pbar transfer line from Accumulator.
- Commissioning of new AP2 trim (HT704)

Recycler Summary



- No pbar transfers last week
- Re-configuring low level RF files
- Started to investigate trapped ions in the presence of pbars and associated tune shift... on going
- Continue pbar injection transfer line studies

Schedule for this Week



- Collider Operation: Stack 'n Store
 - Goal for the week- \rightarrow Integrate $> 5 \text{ pb}^{-1}$
- Focused studies between ($< 2\text{hrs}$) stores